

CULLN23.001APC



PATENT

#11/c  
9-19-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Manners, et al. ) Group Art Unit 1653  
Appl. No. : 09/331,631 )  
Filed : June 21, 1999 )  
For : ANTIMICROBIAL PROTEINS )  
Examiner : Robinson, H. )

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AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed from the United States Patent and Trademark Office on March 14, 2001 (Paper No. 10), please amend the above-captioned patent application as follows:

IN THE CLAIMS

Please amend the following claims as follows:

1. (Thrice Amended) A protein fragment having antimicrobial activity, wherein said protein fragment is a polypeptide comprising a cysteine spacing of C-3X-C-(10-12)X-C-3X-C (SEQ ID Nos: 37-39) wherein X is any amino acid residue other than cysteine, and C is cysteine.

3. (Twice Amended) An isolated or purified protein having a sequence selected from SEQ ID NO: 1, SEQ ID NO: 3, or SEQ ID NO: 5.

13. (Thrice Amended) A method of controlling microbial infestation of a plant by reducing the number of microbes, the method comprising treating said plant with an antimicrobial protein according to claim 1 in an amount effective to reduce the number of said microbes.

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